



MAJOR SOURCE OPERATING PERMIT

Permittee: **Sklar Exploration, LLC**

Facility Name: **Castleberry Oil & Gas Field, Area No. 2**

Facility No.: 103-0026

Location: Sec. 26, 27, 28, 33, 34, & 35, T5N, R13E, & Sec. 3, & 4, T4N, R13E, Conecuh County, Alabama

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, as amended, Ala. Code 1975, §§22-28-1 to 22-28-23 (2006 Rplc. Vol. and 2007 Cum. Supp.) (the "AAPCA") and the Alabama Environmental Management Act, as amended, Ala. Code 1975, §§22-22A-1 to 22-22A-15, (2006 Rplc. Vol. and 2007 Cum. Supp.) and rules and regulations adopted thereunder, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.

*Pursuant to the **Clean Air Act of 1990**, all conditions of this permit are federally enforceable by EPA, the Alabama Department of Environmental Management, and citizens in general. Those provisions which are not required under the **Clean Air Act of 1990** are considered to be state permit provisions and are not federally enforceable by EPA and citizens in general. Those provisions are contained in separate sections of this permit.*

Issuance Date: *DRAFT*

Expiration Date: *DRAFT*

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1. <u>Transfer</u>	
<p>This permit is not transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another, except as provided in Rule 335-3-16-.13(1)(a)(5).</p>	Rule 335-3-16-.02(6)
2. <u>Renewals</u>	
<p>An application for permit renewal shall be submitted at least six (6) months, but not more than eighteen (18) months, before the date of expiration of this permit.</p> <p>The source for which this permit is issued shall lose its right to operate upon the expiration of this permit unless a timely and complete renewal application has been submitted within the time constraints listed in the previous paragraph.</p>	Rule 335-3-16-.12(2)
3. <u>Severability Clause</u>	
<p>The provisions of this permit are declared to be severable and if any section, paragraph, subparagraph, subdivision, clause, or phrase of this permit shall be adjudged to be invalid or unconstitutional by any court of competent jurisdiction, the judgement shall not affect, impair, or invalidate the remainder of this permit, but shall be confined in its operation to the section, paragraph, subparagraph, subdivision, clause, or phrase of this permit that shall be directly involved in the controversy in which such judgment shall have been rendered.</p>	Rule 335-3-16-.05(e)
4. <u>Compliance</u>	
<p>(a) The permittee shall comply with all condition of ADEM Admin. Code 335-3. Noncompliance with this permit will constitute a violation of the Clean Air Act of 1990 and ADEM Admin. Code 335-3 and may result in an enforcement action, including but not limited to, permit termination, revocation and reissuance, or modification, or denial of a permit renewal application by the permittee.</p>	Rule 335-3-16-.05(f)
<p>(b) The permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting or reducing the permitted activity.</p>	Rule 335-3-16-.05(g)

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<p>5. <u>Termination for Cause</u></p> <p>This permit may be modified, revoked, reopened, and reissued, or terminated for cause. This filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance will not stay any permit condition.</p>	<p>Rule 335-3-16-.05(h)</p>
<p>6. <u>Property Rights</u></p> <p>The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.</p>	<p>Rule 335-3-16-.05(i)</p>
<p>7. <u>Submission of Information</u></p> <p>The permittee must submit to the Department, within 30 days or for such other reasonable time as the Department may set, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or termination of this permit or to determine the compliance with this permit. Upon receiving a specific request, the permittee shall also furnish to the Department copies of records required to be kept by this permit.</p>	<p>Rule 335-3-16-.05(j)</p>
<p>8. <u>Economic Incentives, Marketable Permits, and Emissions Trading</u></p> <p>No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.</p>	<p>Rule 335-3-16-.05(k)</p>
<p>9. <u>Certification of Truth, Accuracy, and Completeness</u></p> <p>Any application form, report, test data, monitoring data, or compliance certification submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.</p>	<p>Rule 335-3-16-.07(a)</p>

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<p>10. <u>Inspection and Entry</u></p> <p>Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized representatives of the Alabama Department of Environmental Management and EPA to conduct the following:</p> <ul style="list-style-type: none"> (a) Enter upon the permittee's premises where a source is located or emissions-related activity is conducted, or where records must be kept pursuant to the conditions of this permit; (b) Review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this permit; (c) Inspect, at reasonable times, this facility's equipment (including monitoring equipment and air pollution control equipment), practices or operations regulated or required pursuant to this permit. (d) Sample or monitor, at reasonable times, substances of parameters for the purpose of assuring compliance with this permit or other applicable requirements. 	<p>Rule 335.-3-16-.07(b)</p>
<p>11. <u>Compliance Revisions</u></p> <ul style="list-style-type: none"> (a) The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already compliance. (b) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit. 	<p>Rule 335-3-16-.07(c)</p>
<p>12. <u>Compliance Certification</u></p> <p>On or before [date] a compliance certification shall be submitted annually.</p> <ul style="list-style-type: none"> (a) The compliance certification shall include the following: <ul style="list-style-type: none"> (1) The identification of each term or condition of this permit that is the basis of the certification; 	<p>Rule 335-3-16-.07(e)</p>

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<p>(2) The compliance status;</p> <p>(3) The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with Rule 335-3-16-.05(c) (Monitoring and Recordkeeping Requirements);</p> <p>(4) Whether compliance has been continuous or intermittent;</p> <p>(5) Such other facts as the Department may require to determine the compliance status of the source;</p> <p>(b) The compliance certification shall be submitted to:</p> <p style="padding-left: 40px;">Alabama Department of Environmental Management Air Division P.O. Box 301463 Montgomery, AL 36130-1463 And to:</p> <p style="padding-left: 40px;">Air and EPCRA Enforcement Branch EPA Region IV 61 Forsyth Street, SW Atlanta, GA 30303</p>	
<p>13. <u>Reopening for Cause</u></p> <p>Under any of the following circumstances, this permit will be reopened prior to the expiration of the permit:</p> <p>(a) Additional applicable requirements under the Clean Air Act of 1990 become applicable to the permittee with a remaining permit term of three (3) or more years. Such a reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire.</p>	<p>Rule 335-3-16-.13(5)</p>

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<p>(b) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into this permit.</p> <p>(c) The Department or EPA determines that this permit contains a material mistake of that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.</p> <p>(d) The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements.</p>	
<p>14. <u>Additional Rules and Regulations</u></p> <p>This permit is issued on the basis of Rules and Regulations existing on the date of issuance. In the event additional Rules and Regulations are adopted, it shall be the permit holder's responsibility to comply with such rules.</p>	<p>§22-28-16(d), Code of Alabama 1975, as amended</p>
<p>15. <u>Equipment Maintenance or Breakdown</u></p> <p>(a) In the case of shutdown of air pollution control equipment (which operates pursuant to any permit issued by the Director) for necessary scheduled maintenance, the intent to shut down such equipment shall be reported to the Director at least twenty-four (24) hours prior to the planned shutdown, unless such shutdown is accompanied by the shutdown of the source which such equipment is intended to control. Such prior notice shall include, but is not limited to the following:</p> <p>(1) Identification of the specific facility to be taken out of service as well as its location and permit number;</p> <p>(2) The expected length of time that the air pollution control equipment will be out of service;</p> <p>(3) The nature and quantity of emissions of air contaminants likely to occur during the shutdown period;</p>	<p>Rule 335-3-1-.07(1), (2)</p>

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<p>(4) Measures such as the use of off shift labor and equipment that will be taken to minimize the length of the shutdown period;</p> <p>(5) The reasons that it would be impossible or impractical to shut down the source operation during the maintenance period.</p> <p>(b) In the event that there is a breakdown of equipment or upset of process in such a manner as to cause, or is expected to cause, increased emissions of air contaminants which are above an applicable standard, the person responsible for such equipment shall notify the Director within 24 hours of the next working day and provide a statement giving all pertinent facts, including the estimated duration of the breakdown. The Director shall be notified when the breakdown has been corrected.</p>	
<p>16. <u>Operation of Capture and Control Devices</u></p> <p>Air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.</p>	<p>§22-28-16(d), Code of Alabama 1975, as amended</p>
<p>17. <u>Obnoxious Odors</u></p> <p>This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.</p>	<p>Rule 335-3-1-.08</p>
<p>18. <u>Fugitive Dust</u></p> <p>(a) Precautions shall be taken to prevent fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc...</p> <p>(b) Plant or haul roads and grounds will be maintained in the following manner so that dust will not become airborne.</p>	<p>Rule 335-3-4-.02</p>

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<p>A minimum of one, or a combination, of the following methods shall be utilized to minimize the airborne dust from plant or haul roads and grounds:</p> <ul style="list-style-type: none"> (1) By the application of water any time the surface of the road is sufficiently dry to allow the creation of dust emissions by the act of wind or vehicular traffic; (2) By reducing the speed of vehicular traffic to a point below that at which dust emissions are created; (3) By paving; (4) By the application of binders to the road surface at any time the road surface is found to allow the creation of dust emissions; <p>(c) Should one, or a combination, of the above methods fail to adequately reduce airborne dust from plant or haul roads and grounds, alternative methods shall be employed, either exclusively or in combination with one or all of the above control techniques, so that dust will not become airborne. Alternative methods shall be approved by the Department prior to utilization.</p>	
<p>19. <u>Additions and Revisions</u></p>	
<p>Any modifications to this source shall comply with the modification procedures in Rule 335-3-16-.13 or 335-3-16-.14.</p>	<p>Rule 335-3-16-.13 and .14</p>
<p>20. <u>Recordkeeping Requirements</u></p>	
<p>(a) Records of required monitoring information of the source shall include the following:</p> <ul style="list-style-type: none"> (1) The date, place, and time of all sampling or measurements; (2) The date analyses were performed; (3) The company or entity that performed the analyses; (4) The analytical techniques or methods used; 	<p>Rule 335-3-16-.05(c)(2)</p>

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<ul style="list-style-type: none"> (5) The results of all analyses; and (6) The operating conditions that existed at the time of sampling or measurement. (b) Retention of records of all require monitoring data and support information of the source for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation and copies of all reports required by the permit. 	
<p>21. <u>Reporting Requirements</u></p> <ul style="list-style-type: none"> (a) Reports to the Department of any required monitoring shall be submitted at least every 6 months. All instances of deviations from permit requirements must be clearly identified in said reports. All required reports must be certified by a responsible official consistent with Rule 335-3-16-.04(9). (b) Deviations from permit requirements shall be reported within 48 hours or 2 working days of such deviations, including those attributable to upset conditions as defined in the permit. The report will include the probable cause of said deviations, and any corrective actions or preventative measures that were taken. 	<p>Rule 335-3-16-.05(c)(3)</p>
<p>22. <u>Emission Testing Requirements</u></p> <ul style="list-style-type: none"> (a) Each point of emission which requires testing will be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised. 	<p>Rule 335-3-1-.05(3) Rule 335-3-1-.04(1)</p>

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<p>(b) The Air Division must be notified in writing at least 10 days in advance of all emission tests to be conducted and submitted as proof of compliance with the Department's air pollution control rules and regulations. To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter:</p> <p>(c) To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter:</p> <ol style="list-style-type: none"> (1) The date the test crew is expected to arrive, the date and time anticipated of the start of the first run, how many and which sources are to be tested, and the names of the person and/or testing company that will conduct the test; (2) A complete description of each sampling train to be used, including type of media used in determining gas stream components, type of probe lining, type of filter media, and probe cleaning method and solvent to be used (if test procedures require probe cleaning); (3) A description of the process(es) to be tested including the feed rate, any operating parameters used to control or influence the operation, and the rated capacity; (4) A sketch or sketches showing sampling point locations and their relative positions to the nearest upstream and downstream gas flow disturbances. <p>(d) A pretest meeting may be held at the request of the source owner or the Air Division. The necessity for such a meeting and the required attendees will be determined on a case-by-case basis.</p> <p>(e) All test reports must be submitted to the Air Division within 30 days of the actual completion of the test unless an extension of time is specifically approved by the Air Division.</p>	<p>Rule 335-3-1-.04</p> <p>Rule 335-3-1-.04</p>

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<p>23. <u>Payment of Emission Fees</u></p> <p>Annual emission fees shall be remitted each year according to the fee schedule in ADEM Admin. Code R. 335-1-7-.04.</p>	<p>Rule 335-1-7-.04</p>
<p>24. <u>Other Reporting and Testing Requirements</u></p> <p>Submission of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require emission testing at any time.</p>	<p>Rule 335-3-1-.04(1)</p>
<p>25. <u>Title VI Requirements (Refrigerants)</u></p> <p>(a) Any facility having appliances or refrigeration equipment, including air conditioning equipment, which use Class I or Class II ozone-depleting substances as listed in 40 CFR Part 82, Subpart A. Appendices A and B, shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Part 82, Subpart F.</p> <p>(b) No person shall knowingly vent or otherwise release any Class I or Class II substance into the environment during the repair, servicing, maintenance, or disposal of any device except as provided in 40 CFR Part 82, Subpart F.</p> <p>(c) The responsible official shall comply with all reporting and recordkeeping requirements of 40 CFR 82.166. Reports shall be submitted to the US EPA and the Department as required.</p>	<p>40 CFR Part 82</p>
<p>26. <u>Chemical Accident Prevention Provisions</u></p> <p>(a) If a chemical listed in Table 1 if 40 CFR Part 68.130 is present in a chemical process in quantities greater than the threshold quantity listed in Table 1, then:</p> <p>(1) The owner or operator shall comply with the provisions in 40 CFR Part 83;</p> <p>(2) The owner or operator shall submit one of the following:</p>	<p>40 CFR Part 68</p>

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<ul style="list-style-type: none"> (i) A compliance schedule for meeting the requirements of 40 CFR Part 69 by the date provided in 40 CFR Part 68 Q68.10(a); or (ii) A certification statement that the source is in compliance with all requirements of CFR Part 68, including the registration and submission of the Risk Management Plan. 	
<p>27. <u>Display of Permit</u></p> <p>This permit shall be kept under file or on display at all times at the site where the facility for which the permit is issued is located and will be made readily available for inspection by any or all persons who may request to see it.</p>	<p>Rule 335-3-14-.01(1)(d)</p>
<p>28. <u>Circumventions</u></p> <p>No person shall cause or permit the installation or use of any device or any means which, without resulting in reduction in the total amount of air contaminant emitted, conceals or dilutes any emission of air contaminant which would otherwise violate the Division 3 rules and regulations.</p>	<p>Rule 335-3-1-.10</p>
<p>29. <u>Visible Emissions</u></p> <ul style="list-style-type: none"> (a) Unless otherwise specified in the Unit Specific provisos of this permit, any source of particulate emissions shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period. (b) At no time shall any source discharge a 6-minute average opacity of particulate emissions greater than 40%. (c) Opacity will be determined by 40 CFR Part 60, Appendix A, Method 9, unless otherwise specified in the Unit Specific provisos of this permit. 	<p>Rule 335-3-4-.01(1)</p>
<p>30. <u>Fuel-Burning Equipment</u></p> <ul style="list-style-type: none"> (a) Unless otherwise specified in the Unit Specific Provisos of this permit, no fuel-burning equipment may discharge particulate emissions in excess of the emissions specified in Rule 335-3-4-.03. 	<p>Rule 335-3-4-.03</p>

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<p>(b) Unless otherwise specified in the Unit Specific Provisos of this permit, no fuel-burning equipment may discharge sulfur dioxide emissions in excess of the emissions specified in Rule 335-3-5-.01.</p>	<p>Rule 335-3-5-.01</p>
<p>31. <u>Process Industries – General</u></p>	
<p>Unless otherwise specified in the Unit Specific provisos of this permit, no process may discharge particulate emissions in excess of the emissions specified in Rule 335-3-4-.04.</p>	<p>Rule 335-3-4-.04</p>
<p>32. <u>Averaging Time for Emission Limits</u></p>	
<p>Unless otherwise specified in this permit, the averaging time for the emission limits listed in this permit shall be the nominal time required by the specific test method.</p>	<p>Rule 335-3-1-.05</p>
<p>33. <u>Compliance Assurance Monitoring (CAM)</u></p>	
<p>Conditions (a) through (d) that follow are general conditions applicable to emissions units that are subject to the CAM requirements. Specific requirements related to each emissions unit are contained in the unit specific provisos and the attached CAM appendices.</p>	
<p>(a) Operation of Approved Monitoring</p> <p>(1) <i>Commencement of Operation.</i> The owner or operator shall conduct the monitoring required under this section and detailed in the unit specific provisos and CAM appendix of this permit (if required) upon issuance of the permit, or by such later date specified in the permit pursuant to §64.6(d).</p> <p>(2) <i>Proper Maintenance.</i> At all times, the owner or operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.</p>	<p>40 CFR 64.7</p>

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<p>(3) <i>Continued Operation.</i> Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the owner or operator shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions units is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other period in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operations are not malfunctions.</p> <p>(4) <i>Response to Excursions or Exceedances:</i></p> <p>(a) Upon detecting an excursion or exceedance, the owner operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown, or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions).</p>	

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<p style="text-align: center;">Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.</p> <p>(b) Determination of whether the owner or operator has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system and the process.</p> <p>(5) <i>Documentation of Need for Improved Monitoring.</i> After approval of monitoring under this part, if the owner or operator identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the owner or operator shall promptly notify the Department and, if necessary, submit a proposed modification to the permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.</p>	

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<p>(b) Quality Improvement Plan (QIP) Requirements</p> <p>(1) Based on the results of a determination made under Section 33(a)(4)(b) above, the Administrator or the permitting authority may require the owner or operator to develop and implement a QIP. Consistent with 40 CFR §64.6(c)(3), the permit may specify an appropriate threshold, such as an accumulation of exceedances or excursions exceeding 5 percent duration of a pollutant-specific emissions unit's operating time for a reporting period, for requiring the implementation of a QIP. The threshold may be set at a higher or lower percent or may rely on other criteria for purposes of indicating whether a pollutant-specific emissions unit is being maintained and operated in a manner consistent with good air pollution control practices.</p> <p>(2) Elements of a QIP:</p> <p>(i) The owner or operator shall maintain a written QIP, if required, and have it available for inspection.</p> <p>(ii) The plan initially shall include procedures for evaluating the control performance problems and, based on the results of the evaluation procedures, the owner or operator shall modify the plan to include procedures for conducting one or more of the following actions, as appropriate:</p> <p>(I) Improved preventative maintenance practices;</p> <p>(II) Process operation changes;</p> <p>(III) Appropriate improvements to control methods;</p> <p>(IV) Other steps appropriate to correct control performance; or</p>	<p>40 CFR 64.8</p>

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<p>(V) More frequent or improved monitoring (only in conjunction with one or more steps under paragraphs (2)(b)(ii)(I)–(IV) above.</p> <p>(3) If a QIP is required, the owner or operator shall develop and implement a QIP as expeditiously as practicable and shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.</p> <p>(4) Following implementation of a QIP, upon any subsequent determination pursuant to Section 33(a)(4)(b) above, the Department may require that an owner or operator make reasonable changes to the QIP if the QIP is found to have:</p> <p>(i) Failed to address the cause of the control device performance problems; or</p> <p>(ii) Failed to provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.</p> <p>(5) Implementation of a QIP shall not excuse the owner or operator of a source from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Act.</p>	
<p>(c) Reporting and Recordkeeping Requirements</p> <p>(1) General Reporting Requirements</p> <p>(i) On and after the date specified in Section 33(a)(1) above by which the owner or operator must use monitoring that meets the requirements of this part, the owner or operator shall submit monitoring reports to the permitting authority in accordance with ADEM Admin. Code R. 335.3-16-.05(c)(3).</p>	<p>40 CFR 64.9</p>

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<p>(ii) A report for monitoring under this part shall include, at a minimum, the information required under ADEM Admin. Code R. 335-3-16-.05(c)(3) and the following information, as applicable:</p> <ul style="list-style-type: none"> (I) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken; (II) Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and (III) A description of the actions taken to implement a QIP during the reporting period as specified in Section 33(b) above. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring. <p>(2) General Recordkeeping Requirements</p> <ul style="list-style-type: none"> (i) The owner or operator shall comply with the recordkeeping requirements specified in ADEM Admin. Code R. 335-3-16-.05(c)(2). The owner or operator shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan required to be maintained under this part (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). 	

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>(ii) Instead of paper records, the owner or operator may maintain records on alternative media, such as microfilm, computer files, magnetic tape disks, or microfiche, provided that the use of such alternative media allows for expeditious inspection and review, and does not conflict with other applicable recordkeeping requirements.</p> <p>(d) Savings Provisions</p> <p>(1) Nothing in this part shall:</p> <p>(i) Excuse the owner or operator of a source from compliance with any existing emission limitation or standard or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Act. The requirements of this part shall not be used to justify the approval of monitoring less stringent than the monitoring which is required under separate legal authority and are not intended to establish minimum requirements for the purpose of determining the monitoring to be imposed under separate authority under the Act, including monitoring in permits issued pursuant to Title I of the Act. The purpose of this part is to require, as part of the issuance of a permit under Title V of the Act, improved or new monitoring at those emissions units where monitoring requirements do not exist or are inadequate to meet the requirements of this part.</p> <p>(ii) Restrict or abrogate the authority of the Department to impose additional or more stringent monitoring, recordkeeping, testing, or reporting requirements on any owner or operator of a source under any provision of the Act, including but not limited to Section 114(a)(1) and 504(b), or state law, as applicable</p>	<p>40 CFR 64.10</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>(iii) Restrict or abrogate the authority of the Department to take any enforcement action under the Act for any violation of an applicable requirement or of any person to take action under Section 304 of the Act.</p>	

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Summary Page for Engines

Permitted Operating Schedule: **24** Hours/Day x **365** Days/Year = **8760**
Hours/Year

EMISSION LIMITATIONS				
Emission Point Number	Description	Pollutant	Emission Limit	Regulation
2706B	46 HP, Compressco 460, 4SRB, Gas Compressor Engine	SO ₂	<= 245 TPY	Rule 335-3-14-.04 (Anti-PSD)
		NO _x	<= 245 TPY	Rule 335-3-14-.04 (Anti-PSD)
		VOC	<= 245 TPY	Rule 335-3-14-.04 (Anti-PSD)
		CO	<= 245 TPY	Rule 335-3-14-.04 (Anti-PSD)
		Opacity	No more than one 6 min. avg. >20% AND No 6 min. avg > 40%	Rule 335-3-4-.01(1)

Provisos for Engines

Federally Enforceable Provisos	Regulations
<p><i>Applicability</i></p> <ol style="list-style-type: none"> 1. The facility has an enforceable limit in order to prevent the facility from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04, "<i>Air Permits Authorizing Construction in Clean Air Areas</i>" [Prevention of Significant Deterioration (PSD)]. 2. Each engine shall be subject to the requirements of ADEM Admin. Code r. 335-3-16, "<i>Major Source Operating Permits</i>" and to the requirements in the subpart of this permit. 3. Each engine shall be subject to the requirements of Rule 335-3-4-.01, "<i>Visible Emissions</i>", as specified in the Alabama Department of Environmental Management Administrative Code and in this subpart of this permit 4. The engine located at the Craft-Soterra 27-6 LLC #1 Wellsite would be subject to the requirements of 40 CFR 60 Subpart JJJJ, "<i>Standards for Performance for Stationary Spark Ignition Internal Combustion Engines</i>" for a new affected source located at an area source of HAPs. 	
<p><i>Emission Standards</i></p> <ol style="list-style-type: none"> 1. The total emissions from the facility shall adhere to the following facility-wide requirements: <ol style="list-style-type: none"> (a) Sulfur dioxide (SO₂) emissions shall not exceed 245 ton/year (TPY). (b) Nitrogen oxide (NO_x) emission shall not exceed 245 TPY. (c) Volatile organic compound (VOC) emissions shall not exceed 245 TPY (d) Carbon monoxide (CO) emissions shall not exceed 245 TPY. 2. The engine shall meet the requirements specified in 2(a) and (b) of this section. <ol style="list-style-type: none"> (a) Except for one 6-minute period during any 60-minute period, the engine shall not discharge into the atmosphere 	

Provisos for Engines

Federally Enforceable Provisos	Regulations
<p>particulate that results in an opacity greater 20%, as determined by a 6-minute average.</p> <p>(b) At no time shall the engine discharge into the atmosphere particulate that results in an opacity greater than 40%, as determined by a 6-minute average.</p>	
<p><i>Compliance and Performance Test Methods and Procedures</i></p>	
<p>1. Should a performance test be required at any time, testing should conducted using the method outlined in §60.4244(a)-(f).</p>	<p>40 CFR §60.4244</p>
<p><i>Emission Monitoring</i></p>	
<p>1. There are no emission monitoring requirements for the gas compressor engine.</p>	
<p><i>Recordkeeping and Reporting Requirements</i></p>	
<p>1. The facility shall keep on file for the five (5) years from the date of the record the following information:</p> <p>(a) Records of maintenance conducted on the engine;</p> <p>(b) Engine certification if the engine is certified; and</p> <p>(c) If the engine is not certified, proof that the engine meets the applicable emission standards.</p>	<p>40 CFR §60.4245(a)(1)-(4)</p>

Summary Page for Production Well Sources and Well Flares

Permitted Operating Schedule: **24** Hours/Day x **365** Days/Year = **8760**
Hours/Year

EMISSION LIMITATIONS

Emission Point Number	Description	Pollutant	Emission Limit	Regulation
Craft-Soterra 27-2 [2702A]	Well Flares at Various Wells	SO ₂	<= 245 TPY	Rule 335-3-14-.04 (Anti-PSD)
Craft Soterra 27-6 [2706A]		NO _x	<= 245 TPY	Rule 335-3-14-.04 (Anti-PSD)
Craft-Smurfit-Stone 27-12 [2712A]		VOC	<= 245 TPY	Rule 335-3-14-.04 (Anti-PSD)
Craft-Ralls 28-16 [2816A]		CO	<= 245 TPY	Rule 335-3-14-.04 (Anti-PSD)
Craft-Ralls 33-7 [3307A]		H ₂ S	20 ppbv of H ₂ S offsite	Rule 335-3-5-.03(2)
Craft-Ralls 33-14 [3314A]		Opacity	No more than one 6 min. avg. >20%	Rule 335-3-4-.01(1)
Craft-Ralls 33-15 [3315A]			AND	
Craft-Ralls 4-2 [0402A]			No 6 min. avg > 40%	
Craft-Ralls 4-5 [0405A]				
Craft-Ralls 4-12 [0412A]				
28-NW				

Provisos for Production Well Sources and Emergency Well Flares

Federally Enforceable Provisos	Regulations
<i>Applicability</i>	
1. The facility has an enforceable limit in order to prevent the facility from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04, “ <i>Air Permits Authorizing Construction in Clean Air Areas</i> ” [Prevention of Significant Deterioration (PSD)].	Rule 335-3-14-.04
2. Each flare shall be subject to the requirements of ADEM Admin. Code 335-3-16, “ <i>Major Source Operating Permits</i> ” and to the requirements in this subpart of this permit.	Rule 335-3-16-.03
3. Each flare that burns gas that contains more than 0.10 grains of hydrogen sulfide (H ₂ S) per standard cubic foot (Scf) shall be subject to ADEM Admin. Code R. 335-3-5-.03.	Rule 335-3-5-.03(1)
4. The requirements of 40 CFR 60 Subpart OOOOa apply as follows:	
(a) Applicable definitions are listed in §60.5430a.	40 CFR §60.5430a
(b) Table 3 of the regulation lists the applicable portions of the General Provisions.	40 CFR §60.5425a
(c) All the existing wells and associated equipment were drilled and completed prior to the 40 CFR 60 Subpart OOOO applicability date and are, therefore, exempt from the requirements of 40 CFR 60 Subpart OOOOa.	
(d) The generic well, 28-NW, was completed after September 18, 2015; therefore, the following sources are subject to the applicable requirements of 40 CFR 60 Subpart OOOOa:	
(1) Each storage vessel; and	40 CFR §60.5365a(e)
(2) Each collection of fugitive emissions components at a well site.	40 CFR §60.5365a(i)
5. The flares shall be subject to the requirements specified in 40 CFR Part 64, “ <i>Compliance Assurance Monitoring</i> ” as indicated in Proviso 33 of the General Permit Provisos subpart and in this subpart of this permit.	40 CFR 64

Provisos for Production Well Sources and Emergency Well Flares

Federally Enforceable Provisos	Regulations
<i>Emission Standards</i>	
1. The total emissions from the facility shall adhere to the following requirements:	Rule 335-3-14-.04 [Anti-PSD]
(a) Sulfur dioxide (SO ₂) emissions shall not exceed 245 ton/year (TPY).	
(b) Nitrogen oxide (NO _x) emission shall not exceed 245 TPY.	
(c) Volatile organic compound (VOC) emissions shall not exceed 245 TPY	
(d) Carbon monoxide (CO) emissions shall not exceed 245 TPY.	
2. All process gas streams containing 0.10 grain H ₂ S/Scf shall be burned to the extent that the ground level concentration of hydrogen sulfide shall be less than twenty (20) parts per billion beyond plant property limits, averaged over a thirty (30) minute period.	Rule 335-3-4-.01(1)
3. The emergency well flares shall meet the requirements specified in 3(a) and (b) of this section.	Rule 335-3-4-.01(1)
(a) Except for one 6-minute period during any 60-minute period, the flare shall not discharge into the atmosphere particulate that results in an opacity greater 20%, as determined by a 6-minute average.	
(b) At no time shall any source discharge a 6-minute average opacity of particulate emissions greater than 40%.	
4. The following requirements shall apply to each source subject to 40 CFR 60 Subpart OOOOa.	
(a) Each storage vessel shall be equipped with a closed vent system, and during production all vapor in each storage vessel shall be routed either to the flare, to the fuel gas system, or to the plant pipeline at all times.	40 CFR §60.5395a
(b) Each storage vessel shall comply with the requirements in 40 CFR §60.5395a.	40 CFR §60.5365a(e)

Provisos for Production Well Sources and Emergency Well Flares

Federally Enforceable Provisos	Regulations
<p>(c) Facilities that are a collection of fugitive emission components shall comply with the requirements in 40 CFR §60.5397a</p> <p>40 At no time shall the flare discharge into the atmosphere particulate that results in an opacity greater than 40%, as determined by a 6-minute average.</p> <p>5. Upon completion of a generic well, the facility shall submit a request for Temporary Authorization to operate including:</p> <p>(a) Well name;</p> <p>(b) Well UTM coordinates; and</p> <p>(c) Driving directions to the site OR a map.</p>	<p>40 CFR §60.5365a(i)</p> <p>Rule 335-3-14-.01(f)</p>
<p><i>Compliance and Performance Test Methods and Procedures</i></p> <p>1. Each gas sample collected shall be analyzed as follows:</p> <p>(a) The hydrogen sulfide content of each process stream sample collected shall be determined utilizing the Tutwiler procedures found in §60.648 or the chromatographic analysis procedures found in ASTM E-260 or the stain tube procedures found in GPA 2377-89 or those provided by the stain tube manufacturer.</p> <p style="text-align: right;">[Stream (H₂S Mole %)]</p> <p>(b) The volatile organic compound weight percent, BTU content, and molecular weight of each process stream sample shall be determined utilizing ASTM Analysis Method D1826-77, chromatographic analysis procedures found in 40 CFR Part 60 Appendix A, Method 18 or equivalent methods and procedures.</p> <p style="text-align: right;">[Stream (Mole Wt)] [Stream (VOC Wt %)] [Stream (BTU/scf)]</p>	

Provisos for Production Well Sources and Emergency Well Flares

Federally Enforceable Provisos	Regulations
<p>(c) The H₂S and BTU content and gas molecular weight of the sour gas stream that is sent to the gathering system pipeline may be substituted for the determination in provisos 1(a) and 1(b).</p> <p>(d) Provided multiple process streams can be sent to the flare, and it is possible to capture a common stream whose contents would be representative of all the streams, that common stream may be used instead of the individual process streams.</p> <p>(e) The methods used in this testing may be modified upon receipt of Departmental approval.</p> <p>2. All visible emissions observations shall be conducted using either Method 9 or Method 22 of 40 CFR 60 Appendix A.</p> <p>3. To be able to follow the CAM plan requirements in Appendix A of this permit, each well site shall be equipped with a flare and shall be designed such that all produced natural gas, including tank vapor, must be routed to the flare, to the fuel gas system, or to the plant pipeline at all times:</p> <p>(a) Each flare shall be equipped, and operated with:</p> <p style="padding-left: 40px;">(1) An air assist system;</p> <p style="padding-left: 40px;">(2) A spark igniter or continuous pilot light.</p> <p>(b) Natural gas shall not be emitted into the atmosphere unless it is properly burned.</p>	<p>Rule 335-3-16-.05(c)(1)(i) Rule 335-3-1-.05</p> <p>40 CFR §64.2</p>
<i>Emission Monitoring</i>	
<p>1. Monitoring meeting the requirements specified in Appendix A of this permit shall be utilized for the emergency well flares.</p> <p>2. The H₂S content of the sour gas streams sent to the flare at Area 2 well sites shall be sampled on a semi-annual basis.</p>	<p>Rule 335-3-16-.05(c)(1) Rule 335-3-1-.04 Rule 335-3-16-.05(c)(1)(ii) 40 CFR §64.2</p> <p>Rule 335-3-1-.05</p>

Provisos for Production Well Sources and Emergency Well Flares

Federally Enforceable Provisos	Regulations
<p>3. Compliance with visible emissions standards shall be demonstrated by either:</p> <p>(a) A daily visual inspection if the flare shall be undertaken.</p> <p>(b) If during this inspection, visible emissions are observed, then a visible emissions observation (VEO) as outlined in Appendix B shall be undertaken.</p> <p>(c) Each closed vent system and/or cover installed in order to comply with 40 CFR 60 Subpart OOOOa shall be inspected and monitored at the frequency and using the methods and procedures specified in §60.5416a.</p>	<p>Rule 335-3-16-.05(c)(1) Rule 335-3-1-.04 Rule 335-3-16-.05(c)(1)(ii)</p> <p>40 CFR §60.5416a</p>
<p><i>Reporting and Recordkeeping Requirements</i></p>	
<p>1. For the purpose of demonstrating compliance with Provisos 1 through 3 of the Emissions Standards section, a monthly record of the information specified in Provisos 1(a) through 1(e) shall be maintained and made available for inspection for each flare for a period of five (5) years.</p> <p>(a) For each well site:</p> <p>(1) Site daily gas flared [MMScf/Day]</p> <p>(2) A copy of the most recent gas analysis containing the following information:</p> <p>(i) Site heat content [BTU/Scf];</p> <p>(ii) Site sulfur content [Mole % H₂S]; and</p> <p>(iii) Site gas molecular weight [lb/lb-mole].</p> <p>(b) For the facility:</p> <p>(1) Area Daily Gas Flared [MMScf/Day] = \sum Site Daily Gas Flared [MMScf/Day]</p>	<p>Rule 335-3-16-.05(c)(2) Rule 335-3-1-.04</p>

Provisos for Production Well Sources and Emergency Well Flares

Federally Enforceable Provisos	Regulations
<p>(2) Area Annual Gas Flared [MMScf/365-Day] = Area Dailey Gas Flared [MMScf/Day] + \sum Area Daily Gas Volume Flared [MMScf/Day] for previous 364 days</p> <p>(3) An average of the most recent gas analyses for each site containing the following information:</p> <p>(i) Average Area Heat Content [BTU/Scf]</p> <p>(ii) Average area sulfur content [Mole % H₂S]</p> <p>(iii) Average Area Gas Molecular Weight [lb/lb-mole]</p> <p>(c) The date, starting time, duration, and results of all flare visible emissions observations or flare inspections as described in Proviso 2 of the Emission Monitoring section.</p> <p>(d) The date, starting time, and duration of each deviation or exceedance of the requirements specified in Provisos 2 through 3 of the Emissions Standards section of this subpart along with the emissions, cause, and corrective actions taken.</p> <p>(e) The frequency of the recordkeeping period may be altered upon receipt of Departmental Approval.</p> <p>(f) A copy of all records required by 40 CFR 60 Subpart OOOOa, as specified in §60.5420a.</p>	
<p>2. Periodic Monitoring Reports meeting the requirements specified in Proviso 2(a) through 2(c) of this section shall be submitted to the Department.</p> <p>(a) Each report shall identify each incidence of deviation from a permit term or condition, including those that occur during startup, shutdown, and malfunction.</p> <p>(1) A deviation shall mean any instance in which emission limits, emission standards, and/or work practices were not complied with, as indicated by observations, data collection, and monitoring specified in this permit.</p>	<p>40 CFR §60.5420a</p> <p>Rule 335-3-16-.05(c)(2) Rule 335-3-16-.05(c)(3)(i)</p>

Provisos for Production Well Sources and Emergency Well Flares

Federally Enforceable Provisos	Regulations
<p>(2) For each deviation event, the following information shall be submitted:</p> <ul style="list-style-type: none"> (i) Emission source description; (ii) Permit Requirement; (iii) Date of deviation; (iv) Start time of the deviation; (v) Duration of the deviation; (vi) Actual quantity of pollutant or parameter of the deviation; (vii) Cause of the deviation; (viii) Actions taken to return to normal operation; (ix) Total operating hours of the affected source during the reporting period; (x) Total hours of deviation events during the reporting period; and (xi) Total hours of deviation events that occurred during periods of startup, shutdown, and malfunction during the reporting period. <p>(b) If no deviation event occurred during the reporting period, a statement that indicates there were no deviations from the permit requirements shall be included in the report.</p> <p>(c) Each report shall cover a calendar semi-annual period and shall be submitted within thirty (30) days of the end of the reporting period.</p> <p>(d) The report content and format in Proviso 2(a) through 2(c) of this section may be modified upon Departmental approval.</p>	

Provisos for Production Well Sources and Emergency Well Flares

Federally Enforceable Provisos	Regulations
3. Each deviation from the requirements specified in Provisos 1 through 2 of the Emission Standards section of this subpart, including those that occur during periods of startup, shutdown, and malfunction, shall be reported to the Department in a manner that complies with Proviso 15(b) and 21(b) of the General Proviso section of this permit.	Rule 335-3-16-.05(c)(3)(ii)
4. All reports specified in §60.5420a shall be submitted to the Department and EPA Region IV at the frequency specified in the regulation.	40 CFR §60.5420a

Appendix A: Monitoring For Emergency Flares

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Each Emergency Flare		
Monitoring Approach		
I. Indicator		Periodic Monitoring
A. Measurement Approach	Operate flare with a flame present at all times when a process gas stream may be sent to the flare	Total well flare emissions
	The flare tip shall be equipped with a continuously burning pilot light that is monitored with either a thermocouple or an equivalent device or by visual observation.	Rach flares' gas volume shall be monitored with a system capable or measuring and recording the flow rate and/or the parameters utilized for flow rate calculation or estimated utilizing material balances, computer simulations, special testing, etc.
II. Indicator Ranges		The total facility emissions for any criteria pollutant on a tons per 12 month basis, calculated monthly, shall not exceed 245 TPY.
A. QIP Threshold	Presence of a flame at flare tip	A deviation is defined as when the rolling 12-month average of any criteria pollutant exceeds 245 TPY for the facility, including flare emissions.
	A deviation is defined as when there was no flame present at the flare tip when a process gas stream was vented to the flare. A deviation triggers an immediate inspection and corrective actions that meet the requirements of 40 CFR Part 64.7(d) and reporting within 48 hours or two work days.	A deviation triggers an immediate inspection, corrective action, and reporting within two work days.
A. QIP Threshold	If the accumulated hours of deviation events occurring exceeds 5% of the flare's operating time during any quarterly reporting period, a Quality Improvement Plan shall be developed and implemented.	Exceeding 225 TPY of any criteria pollutant for the facility, including well emission, is not a deviation but triggers a report to the Department within two work days indication how the Permittee intends to avoid exceeding the 245 TPY limit the next month.
		Not applicable.
III. Performance Criteria		
A. Data representativeness	The flame monitor shall be located at the flare tip and focused on the area where gas exits the flare tip.	Flare gas volume monitors shall be located immediately upstream of each flare and material balances shall be performed utilizing this.

Each Emergency Flare

Monitoring Approach

- B. Verification of Operational Status
- C. QA/QC Practices & Criteria

D. Monitoring frequency

Data Collection Procedure

Averaging Period

Monitoring Approach

Visual observations shall be made from the location that provides the best view of the flare tip and/or flare pilot lights or flare igniter.

Not applicable.

The flame monitor shall be maintained and calibrated in accordance with the manufacturer's specifications, other written procedures that provide adequate assurance that the device is properly maintained and calibrated accurately, or at least annually, whichever is more frequent.

Repairs and/or replacements shall be made immediately when non-functioning or damaged parts are found.

Pilot flame shall be monitored either continuously with a thermocouple or daily with visual inspections if operating staff is on site.

Record time, date, and duration of each incident of when no flame was present at the flare tip when a process gas stream was sent to the flare.

Record time, date, and results of each visual observation.

Record time date, and results of each calibration.

Record: Each occurrence:

Date and results of each inspection and corrective actions taken.

Instantaneous

Monitoring Approach

Provided multiple streams share a common flare, the flare gas volume monitor may be placed at this point.

Not applicable.

Each volume monitor shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide adequate assurance that the device is properly maintained and calibrated accurately, or at least annually, whichever is more frequent.

If the flare gas volume monitor fails its calibration tests, the volume monitor shall be taken out of service until repairs and/or replacements

Flare gas production volumes shall be monitored continuously.

Record: Daily

Well gas flared volume [Mscf/day]

Total gas volume sold [Mscf/day]

Record: Each Occurrence

Date and results of each inspection and corrective actions taken

Daily

Appendix B: Monitoring for Opacity for Emergency Well Flares

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Each Emergency Flare - Opacity

Periodic Monitoring

Monitoring Approach

I. Indicator

Opacity

A. Measurement Approach

Provided the flare is being utilized to burn a gas stream other than the pilot light fuel gas stream, a daily visual emission observation on the flare shall be undertaken.

Duration of each observation shall be ≥ 15 minutes and ≤ 60 minutes.

Each observation shall be conducted with either Method 9 or Method 22 of 40 CFR Part 60, Appendix A.

II. Indicator Range

(1) No more than one 6-min. average opacity reading shall exceed 20%; OR (2) No 6-min. average opacity reading shall exceed 40%; OR (3) The accumulated time of observed visible emissions shall not exceed 12 minutes.

A deviation is defined as anytime the observed 6-min. average opacity exceeds 20% for the 2nd time, or 40% for the 1st time, when utilizing Method 9.

A deviation is defined as anytime the accumulated time in which visible emissions were observed exceeds 12 minutes per observation when utilizing Method 22.

A deviation triggers continued visible emission observations at a frequency suitable to defining the duration of the visible emission deviation event. One observation shall be undertaken to establish the end of the visible emission deviation event.

A deviation triggers an immediate inspection, corrective action, and reporting within 48 hours or two (2) work days.

III. Performance Criteria

A. Monitoring Frequency Data Collection Procedure

Daily

Record: Daily

Each 15 second observation reading

Record: Each occurrence – Time, date, and results of corrective actions taken.

Averaging Period

Six (6) minutes

**Appendix C: Summary of Equipment at Well Sites (Includes
Trivial & Insignificant Sources)**

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**PERMIT
NUMBER**

DESCRIPTION OF EQUIPMENT, ARTICLE, OR DEVICE

Craft Ralls 4-2 Oil & Gas Production & Separation Site

One (1) – 0.5 MMBtu/Hr Heater Treater (HT-0402-01)
Two (2) 20,000 Gallon Crude Storage Tank (T-0402-01 & 02)
One (1) – 20,000 Gallon Salt Water Storage Tank (T-0402-03)
One (1) – 20,000 Gallon Power Oil Storage Tank (T-0402-04)
Closed Vent System and Flare (F-0402-01)

Craft Ralls 4-5 Oil & Gas Production & Separation Site

One (1) – 0.5 MMBtu/Hr Heater Treater (HT-0405-01)
Two (2) 20,000 Gallon Crude Storage Tank (T-0405-01 & 02)
One (1) – 20,000 Gallon Salt Water Storage Tank (T-0405-03)
One (1) – 20,000 Gallon Power Oil Storage Tank (T-0405-04)
Closed Vent System and Flare (F-0405-01)

Craft Ralls 4-12 Oil & Gas Production & Separation Site

One (1) – 0.5 MMBtu/Hr Heater Treater (HT-0412-01)
Two (2) 20,000 Gallon Crude Storage Tank (T-0412-01 & 02)
One (1) – 20,000 Gallon Salt Water Storage Tank (T-0412-03)
One (1) – 20,000 Gallon Power Oil Storage Tank (T-0412-04)
Closed Vent System and Flare (F-0412-01)

Craft-Soterra 27-2 Oil & Gas Production & Separation Site

One (1) – 0.5 MMBtu/Hr Heater Treater (HT-2702-01)
Two (2) 20,000 Gallon Crude Storage Tank (T-2702-01 & 02)
One (1) – 20,000 Gallon Salt Water Storage Tank (T-2702-03)
One (1) – 20,000 Gallon Power Oil Storage Tank (T-2702-04)
Closed Vent System and Flare (F-2702-01)

Craft-Soterra 27-6 Oil & Gas Production & Separation Site

One (1) – 0.5 MMBtu/Hr Heater Treater (HT-2706-01)
Two (2) 20,000 Gallon Crude Storage Tank (T-2706-01 & 02)
One (1) – 20,000 Gallon Salt Water Storage Tank (T-2706-03)

**PERMIT
NUMBER**

DESCRIPTION OF EQUIPMENT, ARTICLE, OR DEVICE

One (1) – 20,000 Gallon Power Oil Storage Tank (T-2706-04)
Closed Vent System and Flare (F-2706-01)

Craft-Smurfit Stone 27-12 Oil & Gas Production & Separation Site

One (1) – 0.5 MMBtu/Hr Heater Treater (HT-2712-01)
Two (2) 20,000 Gallon Crude Storage Tank (T-2712-01 & 02)
One (1) – 20,000 Gallon Salt Water Storage Tank (T-2712-03)
One (1) – 20,000 Gallon Power Oil Storage Tank (T-2712-04)
Closed Vent System and Flare (F-2712-01)

Craft Ralls 28-16 Oil & Gas Production & Separation Site

One (1) – 0.5 MMBtu/Hr Heater Treater (HT-2816-01)
Two (2) 20,000 Gallon Crude Storage Tank (T-2816-01 & 02)
One (1) – 20,000 Gallon Salt Water Storage Tank (T-2816-03)
One (1) – 20,000 Gallon Power Oil Storage Tank (T-2816-04)
Closed Vent System and Flare (F-2816-01)

Craft Ralls 33-7 Oil & Gas Production & Separation Site

One (1) – 0.5 MMBtu/Hr Heater Treater (HT-3307-01)
Two (2) 20,000 Gallon Crude Storage Tank (T-3307-01 & 02)
One (1) – 20,000 Gallon Salt Water Storage Tank (T-3307-03)
One (1) – 20,000 Gallon Power Oil Storage Tank (T-3307-04)
Closed Vent System and Flare (F-3307-01)

Craft Ralls 33-14 Oil & Gas Production & Separation Site

One (1) – 0.5 MMBtu/Hr Heater Treater (HT-3314-01)
Two (2) 20,000 Gallon Crude Storage Tank (T-3314-01 & 02)
One (1) – 20,000 Gallon Salt Water Storage Tank (T-3314-03)
One (1) – 20,000 Gallon Power Oil Storage Tank (T-3314-04)
Closed Vent System and Flare (F-3314-01)

**PERMIT
NUMBER**

DESCRIPTION OF EQUIPMENT, ARTICLE, OR DEVICE

Craft Ralls 33-15 Oil & Gas Production & Separation Site

One (1) – 0.5 MMBtu/Hr Heater Treater (HT-3315-01)

Two (2) 20,000 Gallon Crude Storage Tank (T-3315-01 & 02)

One (1) – 20,000 Gallon Salt Water Storage Tank (T-3315-03)

One (1) – 20,000 Gallon Power Oil Storage Tank (T-3315-04)

Closed Vent System and Flare (F-3315-01)

28-NW Oil & Gas Production & Separation Site

One (1) – 0.5 MMBtu/Hr Heater Treater

Two (2) 20,000 Gallon Crude Storage Tank

One (1) – 20,000 Gallon Salt Water Storage Tank

One (1) – 20,000 Gallon Power Oil Storage Tank

Closed Vent System and Flare